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SEQUENCE LISTING

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<120> Improved Control Of ES Cell Self Renewal And Lineage Specification, And
Medium Therefor

<130> 09641.0011-00000

<140> Not Yet Assigned

<141> 2006-04-17

<150> GB 0324270.8

<151> 2003-10-16

<150> GB 0324378.9

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<150> GB 0325007.3

<151> 2003-10-27

<160> 9

<170> PatentIn version 3.1

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<212> PRT

<213> Mus sp.

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Met Lys Ala Leu Ser Pro Val Arg Gly Cys Tyr Glu Ala Val Cys Cys
1 5 10 15

Leu Ser Glu Arg Ser Leu Ala Ile Ala Arg Gly Arg Gly Lys Ser Pro
20 25 30

Ser Thr Glu Glu Pro Leu Ser Leu Leu Asp Asp Met Asn His Cys Tyr
35 40 45

Ser Arg Leu Arg Glu Leu Val Pro Gly Val Pro Arg Gly Thr Gln Leu
50 55 60

Ser Gln Val Glu Ile Leu Gln Arg Val Ile Asp Tyr Ile Leu Asp Leu
65 70 75 80

Gln Val Val Leu Ala Glu Pro Ala Pro Gly Pro Pro Asp Gly Pro His
85 90 95

Leu Pro Ile Gln Thr Ala Glu Leu Thr Pro Glu Leu Val Ile Ser Lys
100 105 110

Asp Lys Arg Ser Phe Cys His
115

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<212> PRT
<213> Rattus sp.

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Met Lys Ala Leu Ser Pro Val Arg Gly Cys Tyr Glu Ala Val Cys Cys
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Leu Ser Glu Arg Ser Leu Ala Ile Ala Arg Gly Arg Gly Lys Ser Pro
20 25 30

Ser Ala Glu Glu Pro Leu Ser Leu Leu Asp Asp Met Asn His Cys Tyr
35 40 45

Ser Arg Leu Arg Glu Leu Val Pro Gly Val Pro Arg Gly Thr Gln Leu
50 55 60

Ser Gln Val Glu Ile Leu Gln Arg Val Ile Asp Tyr Ile Leu Asp Leu
65 70 75 80

Gln Val Val Leu Ala Glu Pro Ala Pro Gly Pro Pro Asp Gly Pro His
85 90 95

Leu Pro Ile Gln Thr Ala Glu Leu Thr Pro Glu Leu Val Ile Ser Lys
100 105 110

Asp Lys Arg Ser Phe Cys His
115

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 <212> PRT
 <213> Canis sp.

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Met Lys Ala Leu Ser Pro Val Arg Gly Cys Tyr Glu Ala Val Cys Cys
 1 5 10 15

Leu Ser Glu Arg Ser Leu Ala Ile Ala Arg Gly Arg Gly Lys Gly Pro
 20 25 30

Ala Ala Glu Glu Pro Leu Ser Leu Leu Asp Asp Met Asn His Cys Tyr
 35 40 45

Ser Arg Leu Arg Glu Leu Val Pro Gly Val Pro Arg Gly Thr Gln Leu
 50 55 60

Ser Gln Val Glu Ile Leu Gln Arg Val Ile Asp Tyr Ile Leu Asp Leu
 65 70 75 80

Gln Val Val Leu Ala Glu Pro Ala Pro Gly Pro Pro Asp Gly Pro His
 85 90 95

Leu Pro Ile Gln Thr Ala Glu Leu Ala Pro Glu Leu Val Ile Ser Asn
 100 105 110

Asp Lys Arg Ser Phe Cys His
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 <212> PRT
 <213> Homo sapiens

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Met Lys Ala Leu Ser Pro Val Arg Gly Cys Tyr Glu Ala Val Cys Cys
 1 5 10 15

Leu Ser Glu Arg Ser Leu Ala Ile Ala Arg Gly Arg Gly Lys Gly Pro
 20 25 30

Ala Ala Glu Glu Pro Leu Ser Leu Leu Asp Asp Met Asn His Cys Tyr
 35 40 45

Ser Arg Leu Arg Glu Leu Val Pro Gly Val Pro Arg Gly Thr Gln Leu
 50 55 60

Ser Gln Val Glu Ile Leu Gln Arg Val Ile Asp Tyr Ile Leu Asp Leu
 65 70 75 80

Gln Val Val Leu Ala Glu Pro Ala Pro Gly Pro Pro Asp Gly Pro His
 85 90 95

Leu Pro Ile Gln Thr Ala Glu Leu Ala Pro Glu Leu Val Ile Ser Asn
 100 105 110

Asp Lys Arg Ser Phe Cys His
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<210> 5
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 <213> Human immunodeficiency virus

<400> 5

Tyr Gly Arg Lys Lys Arg Arg Gln Arg Arg Arg
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 <213> Antennapedia

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Arg Gln Ile Lys Ile Trp Phe Gln Asn Arg Arg Met Lys Trp Lys Lys
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 <213> Artificial Sequence

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Pro Val Arg Gly Cys Tyr Glu Ala Val Cys Cys Leu Ser Glu Arg Ser
20 25 30

Leu Ala Ile Ala Arg Gly Arg Gly Lys Gly Pro Ala Ala Glu Glu Pro
35 40 45

Leu Ser Leu Leu Asp Asp Met Asn His Cys Tyr Ser Arg Leu Arg Glu
50 55 60

Leu Val Pro Gly Val Pro Arg Gly Thr Gln Leu Ser Gln Val Glu Ile
65 70 75 80

Leu Gln Arg Val Ile Asp Tyr Ile Leu Asp Leu Gln Val Val Leu Ala
85 90 95

Glu Pro Ala Pro Gly Pro Pro Asp Gly Pro His Leu Pro Ile Gln Thr
100 105 110

Ala Glu Leu Ala Pro Glu Leu Val Ile Ser Asn Asp Lys Arg Ser Phe
115 120 125

Cys His
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<210> 8

<211> 135

<212> PRT

<213> Artificial Sequence

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Arg Gln Ile Lys Ile Trp Phe Gln Asn Arg Arg Met Lys Trp Lys Lys
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Met Lys Ala Leu Ser Pro Val Arg Gly Cys Tyr Glu Ala Val Cys Cys

20

25

30

Leu Ser Glu Arg Ser Leu Ala Ile Ala Arg Gly Arg Gly Lys Gly Pro
 35 40 45

Ala Ala Glu Glu Pro Leu Ser Leu Leu Asp Asp Met Asn His Cys Tyr
 50 55 60

Ser Arg Leu Arg Glu Leu Val Pro Gly Val Pro Arg Gly Thr Gln Leu
 65 70 75 80

Ser Gln Val Glu Ile Leu Gln Arg Val Ile Asp Tyr Ile Leu Asp Leu
 85 90 95

Gln Val Val Leu Ala Glu Pro Ala Pro Gly Pro Pro Asp Gly Pro His
 100 105 110

Leu Pro Ile Gln Thr Ala Glu Leu Ala Pro Glu Leu Val Ile Ser Asn
 115 120 125

Asp Lys Arg Ser Phe Cys His
 130 135

<210> 9
 <211> 135
 <212> PRT
 <213> Artificial sequence

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<223> synthetic

<400> 9

Met Lys Ala Leu Ser Pro Val Arg Gly Cys Tyr Glu Ala Val Cys Cys
 1 5 10 15

Leu Ser Glu Arg Ser Leu Ala Ile Ala Arg Gly Arg Gly Lys Ser Pro
 20 25 30

Ser Thr Glu Glu Pro Leu Ser Leu Leu Asp Asp Met Asn His Cys Tyr
 35 40 45

Ser Arg Leu Arg Glu Leu Val Pro Gly Val Pro Arg Gly Thr Gln Leu
 50 55 60

Ser Gln Val Glu Ile Leu Gln Arg Val Ile Asp Tyr Ile Leu Asp Leu
65 70 75 80

Gln Val Val Leu Ala Glu Pro Ala Pro Gly Pro Pro Asp Gly Pro His
85 90 95

Leu Pro Ile Gln Thr Ala Glu Leu Thr Pro Glu Leu Val Ile Ser Lys
100 105 110

Asp Lys Arg Ser Phe Cys His Arg Gln Ile Lys Ile Trp Phe Gln Asn
115 120 125

Arg Arg Met Lys Trp Lys Lys
130 135